2020 TRIP GENERATION WORKSHEET - Page 3 of 3

INTERNAL-EXTERNAL TRIPS

Employment/Population Ratio(s)

Employ/Pop Reduction Factor (EPR): 0.75

	Employ.	Pop.	Employ/Pop
Plan Area	5,581	12,402	0.45

INTERNAL TRIP DISTRIBUTION

# with Ext. dest. (TPi-e)	# with Int. dest. (TPi-I
13,793	41,379

TPi-e = # of internally generated trips with external destinations = (TPin-(TPin * EPR)).
TPi-I = # of internally generated trips with internal destinations = (TPin -TPi-e).
The values for population and employment are the 2020 projected values. The 2020 employment value was obtained by using the 1994 employment/population ratio and the 2020 population.

Step 3: NonHome Based Secondary trips are added to internal trips with internal destinations (II). NonHome Based Secondary trips are made by external trips (E-I which enter the planning area. The Secondary Trip Generation Factor was taken from Technical Report #11, Table 2, using Ahoski as the closest match to Whiteville (per KDH). External trips with internal destinations (E-I are computed by subtracting thru trip ends (E-E) and internally generated trips with external destinations (IE) from the external production (CADT). See the Cordon Worksheet.

SECONDARY TRIPS

Secondary Trip Generation Factor (NHB):	0.324
E-I Trips (TPe-I	43,669
NHB Secondary Trips (TPnhb):	14,149

GRAND TOTAL 2020 INTERNAL TRIPS (TPintot): 55,528

Cordon ADT (CADT):	124,722	(from CORDON)
Thru Trips (TPe-e):	33,630	(from CORDON)
External Trips:	57,462	(CADT - [TPe-e * 2])
IE Trips (TPi-e):	13,793	(from above)
E-I Trips (TPe-I	43,669	(CADT - [TPe-e * 2] - TPi-e)
II Trips (TPi-I	41,379	(from above)
NHB Trips (TPnhb):	14,149	(E-I Trips * NHB %age)

TPe-e = # of externally gen. trips with external destinations (thru trips).
TPe-I = # of externally gen. trips with internal destinations.
TPnhb = # of secondary non-home-based trips.
TPintot = total # of internal trips with internal destinations = (TPi-I + TPnhb).